



IFW

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Dmitri BOTVICH

Serial No.: 10/650032

Group Art Unit: 2631

Filed: August 28, 2003

For: METHOD AND SYSTEM FOR  
BANDWIDTH ESTIMATION

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

As a means of complying with the duty of disclosure under 37 CFR §1.56, and in accordance with 37 CFR §§1.97 and 1.98, Applicant(s), through the undersigned attorney, submits this Information Disclosure Statement. The patents, publications or other information submitted herewith are listed on the attached Form PTO-1449 and copies are attached.

Documents AA, AB, AD-AF are discussed on pages 1 and 3 of the instant specification.

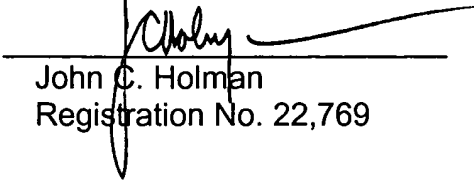
Documents AG-AI are cited in the International Search Report. A copy of the ISR is attached.

In accordance with 37 CFR §1.97(b)(3), this Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits of the above-identified application.

Respectfully submitted,

JACOBSON HOLMAN PLLC

By: \_\_\_\_\_

  
John C. Holman  
Registration No. 22,769

400 Seventh Street, N.W.  
Washington, DC 20004  
(202) 638-6666  
Atty. Dkt. No.: P69104US0  
Date: June 25, 2004

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IE 01/00030

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04L12/56 H04Q11/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>ZHONG FAN MARS ET AL: "An NN-based dynamic time-slice scheme for bandwidth allocation in ATM networks" INFORMATION, COMMUNICATIONS AND SIGNAL PROCESSING, 1997. ICICS., PROCEEDINGS OF 1997 INTERNATIONAL CONFERENCE ON SINGAPORE 9-12 SEPT. 1997, NEW YORK, NY, USA, IEEE, US, 9 September 1997 (1997-09-09), pages 345-350, XP010263791 ISBN: 0-7803-3676-3 page 346, column 2, line 34 - line 53 page 347, column 1, line 38 -column 2, line 21 page 347, column 2, line 41 - line 42</p> <p>---</p> <p>-/--</p>	1,22

☒ Further documents are listed in the continuation of box C.

☐ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*8\* document member of the same patent family

Date of the actual completion of the international search

15 November 2001

Date of mailing of the international search report

22/11/2001

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Lamadie, S

## INTERNATIONAL SEARCH REPORT

 International Application No  
 PCT/IE 01/00030

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>COURCOUBETIS C ET AL: "ON THE PERFORMANCE OF AN EFFECTIVE BANDWIDTHS FORMULA" FUNDAMENTAL ROLE OF TELETRAFFIC IN THE EVOLUTION OF TELECOMMUNICATIONS NETWORKS. PROCEEDINGS OF THE 14TH. INTERNATIONAL TELETRAFFIC CONGRESS - ITC 14, JUAN-LES-PINS, JUNE 6 - 10, 1994, TELETRAFFIC SCIENCE AND ENGINEERING, AMSTERDAM, ELSEVIER, NL, vol. 1A, 6 June 1994 (1994-06-06), pages 201-212, XP000593411            ISBN: 0-444-82031-0            abstract            page 202, column 1, line 22 - line 25            page 202, paragraph 2            page 203, column 1, line 9 - line 14</p>	1,22
A	<p>OGIER ET AL: "Neural network methods with traffic descriptor compression for call admission control" PROCEEDINGS OF IEEE INFOCOM 1996. CONFERENCE ON COMPUTER COMMUNICATIONS. FIFTEENTH ANNUAL JOINT CONFERENCE OF THE IEEE COMPUTER AND COMMUNICATIONS SOCIETIES. NETWORKING THE NEXT GENERATION. SAN FRANCISCO, MAR. 24 - 28, 1996, PROCEEDINGS OF INFOCOM, L, vol. 2 CONF. 15, 24 March 1996 (1996-03-24), pages 768-776, XP010158140            ISBN: 0-8186-7293-5            page 769, column 1, line 10 - line 17            page 769, column 1, line 38 - line 43            page 771, column 1, line 10 - line 11            page 771, column 1, line 46 - line 59            page 771, column 2, line 22 - line 28            page 771, column 2, line 42 - line 46</p>	1,22

